STATE OF CALIFORNIA

Fire and Resource Assessment Program
California Department of Forestry and Fire Protection

SURFACE FUELS
FIRE BEHAVIOR PREDICTION SYSTEM

FUEL MODELS

GRASS DOMINATED	BRUSH	CUSTOM MODELS
1	4	14 Young Plantation
2	5	15 Desert
3	6	28 Urban
TIMBER LITTER	7	97 Agriculture
8	**SLASH**	98 Water
9	11	99 Barren
10	12	

CDF FRAP develops surface fuel maps by translating vegetation data from a variety of sources into stylized fuel characteristics models used to predict fire behavior. This process, known as "cross walking," translates information on plant species, crown cover and tree size into 13 standard and 6 custom fire behavior models. The crosswalk process uses other factors, such as watershed boundaries, slope, aspect and elevation, to furthur refine vegetation/fuel model relationships. Finally, fire perimeter data are used to update fuel model characteristics based on "time since last burned", to account for both initial changes in fuels resulting from fuel consumption by the fire and for vegetation regrowth. For a detailed description of the data and methods please visit http://frap.cdf.ca.gov/data/fire_data/fuels/fuelsfr.html.

Land Cover Inputs → **Outputs**

Cover Types + Veg Types + Size + Crown Cover + Other Factors = Fuel Model

OREGON
NEVADA
ARIZONA
MEXICO
PACIFIC OCEAN

DEL NORTE, SISKIYOU, MODOC, Eureka, HUMBOLDT, TRINITY, Redding, SHASTA, LASSEN, TEHAMA, PLUMAS, MENDOCINO, BUTTE, SIERRA, GLENN, NEVADA, COLUSA, SUTTER, YUBA, LAKE, PLACER, EL DORADO, SONOMA, NAPA, YOLO, Sacramento, ALPINE, AMADOR, SACRAMENTO, SOLANO, CALAVERAS, MARIN, TUOLUMNE, CONTRA COSTA, SAN JOAQUIN, San Francisco, ALAMEDA, STANISLAUS, MONO, MARIPOSA, SAN MATEO, SANTA CLARA, MERCED, SANTA CRUZ, MADERA, FRESNO, Fresno, SAN BENITO, INYO, TULARE, MONTEREY, KINGS, KERN, Bakersfield, SAN LUIS OBISPO, LOS ANGELES, SANTA BARBARA, VENTURA, SAN BERNARDINO, Los Angeles, RIVERSIDE, ORANGE, SAN DIEGO, IMPERIAL, San Diego

0 25 50 75 100 MILES
0 50 100 150 200 KILOMETERS

Projection Albers
Scale 1:1,100,000
at 34" x 44"
July 06, 2005

Obtain FRAP maps, data, metadata and publications on the Internet at http://frap.cdf.ca.gov
For more information, contact CDF-FRAP, PO Box 944246, Sacramento, CA 94244-2460, (916) 327-3939.

Arnold Schwarzenegger, Governor,
State of California
Mike Chrisman, Secretary for Resources,
The Resources Agency
Dale T. Geldert, Director,
Department of Forestry and Fire Protection

MAP ID: FMOD_MAP

DATA SOURCES
CDF Surface Fuels v05_1
USGS: 1:100,000 DLGs